REUSABLE VOICEXML DIALOG COMPONENTS, SUBDIALOGS AND BEANS

ABSTRACT OF THE DISCLOSURE

Systems and methods for building speech-based applications using reusable dialog

5   components based on VoiceXML (Voice eXtensible Markup Language). VoiceXML

reusable dialog components can be used for building a voice interface for use with

multi-modal, multi-channel and conversational applications that offer universal access to

information anytime, from any location, using any pervasive computing device regardless

of its I/O modality. In one embodiment, a framework for reusable dialog components

10   built within the VoiceXML specifications is based on the <subdialog> tag and

ECMAScript parameter objects to pass parameters, configuration and results. This

solution is interpreted at the client side (VoiceXML browser). In another embodiment, a

framework for reusable dialog components is based on JSP (Java Server Pages) and beans

that generate VoiceXML subdialogs. This solution can be evaluated at the server side.

15   These frameworks can be mixed and matched depending on the application.